



**Prifysgol Cymru**  
**University of Wales**

Y BYD YW EIN CAMPWS  
THE WORLD IS OUR CAMPUS

## Online Library Guide:



### *ACM Digital Library*

The ACM Digital Library provides full text of every article ever published by the Association for Computing Machinery (ACM). Content includes: journals; conference proceedings; magazines; newsletters, and multimedia titles, plus selected titles from other publishers in computing. It is the industry's leading portal to computing and IT literature.

#### **To access ACM Digital Library:**

- Go to the University of Wales [Online Library](#)
- Select *Computing & Information Technology* from the subject menu on the left of the screen
- Go to the "Databases" tab and select *ACM Digital Library* (it will be easier to navigate back to the Online Library pages if you right-click and open the link in a new window or tab)
- If you have not already logged in, you will be prompted to enter your username and password (if you do not have a username and password, please see the [Using the Online Library](#) pages for more information about how to get log in details)
- If your login details are correct, you will then be taken to the home page for *ACM Digital Library* (figure 1)

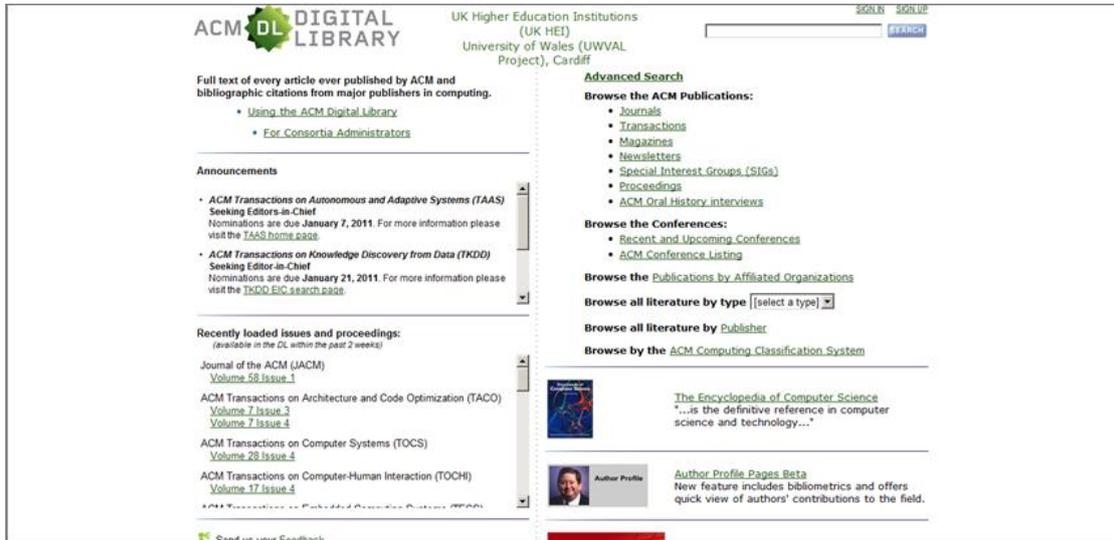


Figure 1

### Basic Search:

- To begin searching enter keywords for your topic into the Search box at the top right of the screen (see figure 2)
- Enter terms in lower case, unless they are proper nouns.
- You can search for exact phrases using quotation marks. For example, “distributed computing” will retrieve articles containing the exact phrase distributed computing (see figure 2)

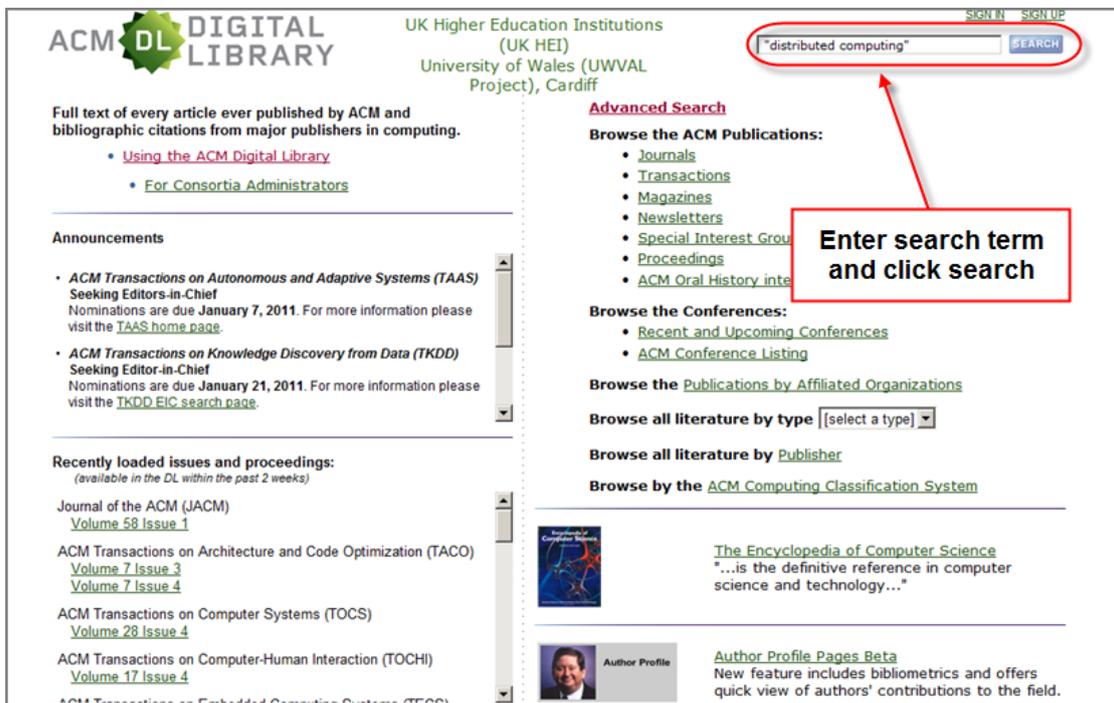


Figure 2

## Refine Search:

Use the options on the left of the results screen (figure 3) to refine your search by:

- **People:** names; institutions; authors; editors; advisors; reviewers.
- **Publications:** publication year; publication names; ACM publications; content formats; publishers.
- **Conferences:** sponsors; events; proceeding series.

The screenshot shows the ACM Digital Library search results for "distributed computing". The page includes a search bar with the query "distributed computing" and a search button. Below the search bar, there are navigation tabs for "Search Results", "Related Journals", "Related Magazines", "Related SIGs", and "Related Conferences". The search results are displayed in a list format, with the first result being "Hundreds of impossibility results for distributed computing" by Faith Fich and Eric Ruppert. The left-hand navigation menu is titled "REFINE YOUR SEARCH" and includes sections for "Refine by Keywords", "Refine by People", "Refine by Publications", and "Refine by Conferences". A red box highlights the "Refine by People" section, and a red arrow points to it with the text "Use the options on the left of the screen to narrow your search results".

Figure 3

## Advanced Search:

The Advanced Search allows for far more flexible search functionality. You can limit your search using a range of option such as:

- **Words or phrases:** search for keywords or phrases by title, abstract or review and search for the names of authors, editors, advisors or reviewers.
- **Publication:** limit your search to specific publications, publishers, publication dates and publication types.
- **Conference:** limit your search to specific sponsor names, sponsor locations and years.

To conduct an advanced search, click on the Advanced Search option on the Digital Library homepage and enter the limits of your search. In the example in figure 4, ACM Digital Library will find all articles with containing the phrase “distributed computing” and the word system written by authors with the name Smith.

ACM DL DIGITAL LIBRARY UK Higher Education Institutions (UK HEI) University of Wales (UWVAL Project), Cardiff [SIGN IN](#) [SIGN UP](#) Advanced Search

Enter words, phrases or names below. Surround phrases or full names with double quotation marks.

**SEARCH**

**Words or Phrases**  
Find [any field] with  
all of this text (and) "distributed computing" system  
any of this text (or)  
none of this text (not)

**Names**  
Find Authors with names smith  
using all any none of the names

**Keywords**  
Find author's keywords  
using all any none of the keywords

**Affiliations**  
Find company or school  
using all any none of the affiliations

**Publication**  
Find publication using all any none of the names  
Find publisher using any none of the names  
Published since [year] Published before [year]

In publication types  Journal  Proceeding  Transaction  Magazine  Newsletter

**Conference**  
Find sponsor names using all any none of the names  
Find year (yyyy) using any none of the years  
Find location using any none of the locations

**Identification codes**  
Find ISBN/ISSN Find DOI

**Computing Classification System (CCS)**  
Find node  
Find subject/noun  
 Look at primary category only

**Required components**  
Results must have  Full Text  Abstract  Review

**SEARCH**

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Figure 4

## Help:

The ACM Digital Library website features a [Digital Library user guide](#).

Alternatively, if you need help using the database, contact the Online Library Librarian at [library@wales.ac.uk](mailto:library@wales.ac.uk).